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SUBMIT TO:

OSA Annual Meeting and Exhibit Session MM, Symposium on Innovative Optical Approaches to Noninvasive Diagnostics Conference Chair: Howard Nathel

ABSTRACT TITLE:

Optical Coherence Tomography for Dental Applications

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ABSTRACT:

The use of optical coherence tomography has been investigated as a diagnostic tool for a variety of dental applications. High resolution interferometric maps depicting soft and hard tissue boundaries of *in vitro* samples have been obtained and compared with histological data for clinical relevance.

This work was performed under the auspices of the U. S. Department of Energy by Lawrence Livermore National Laboratory under contract No. W-7405-Eng-48.